

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 25 AND OLD PIMLICO ROAD IN BALTIMORE COUNTY. MD 25 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA THREE-PHASE, FULLY-TRAFFIC-ACTUATED MODE. VIDEO CAMERA DETECTION WILL BE USED TO ACTIVATE THE SIDE ROAD AND THE MAINLINE MICROLOOP PROBES WILL BE USED FOR THE MD 25 APPROACHES.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE MSHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR MUST PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE, AND PHONE NUMBER.

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
CHIEF SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7688

MR. ED RODENHIZER
CHIEF SIGNAL OPERATIONS
(410) 787-7652

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MRS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781/2785

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

MR. MICHAEL PASQUARIELLO
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

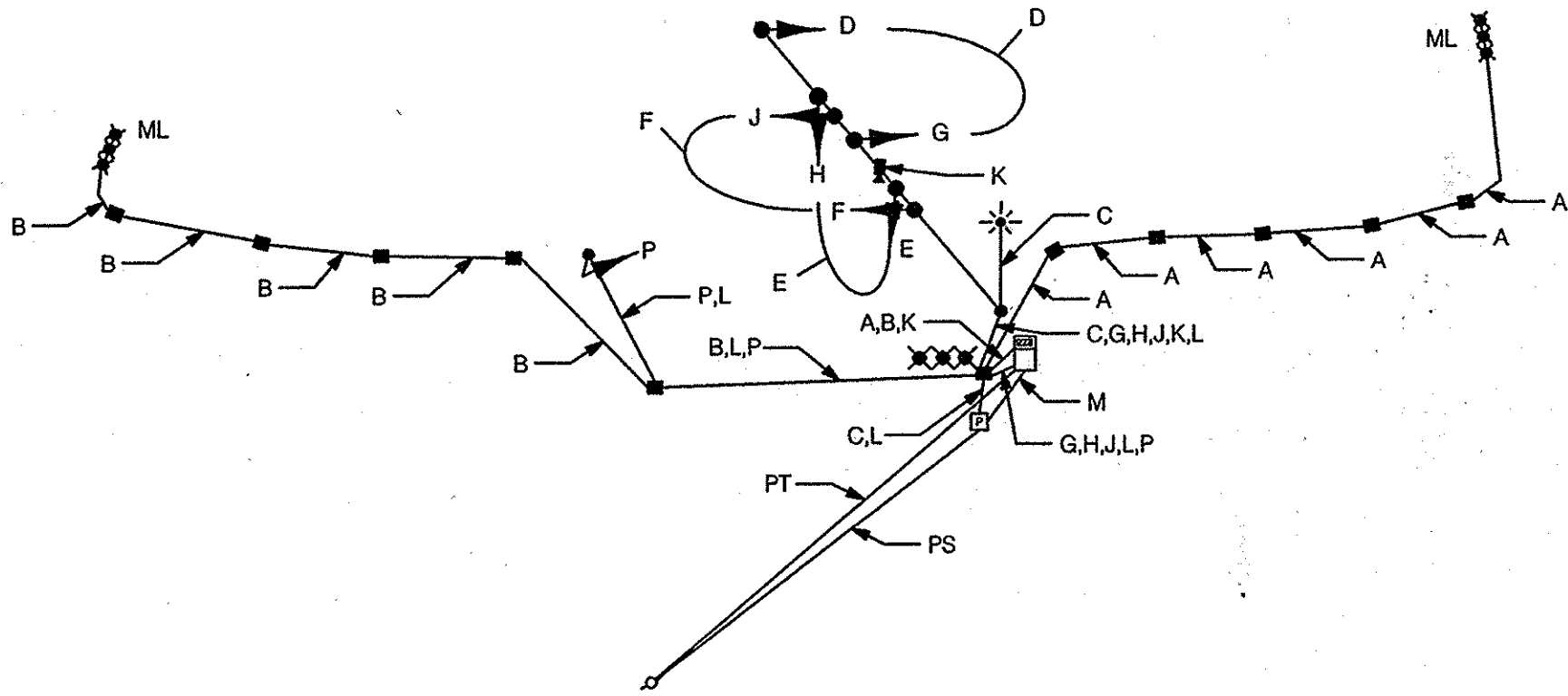
ITEM NO.	QUANTITY	DESCRIPTION
9044	1 EA	EIGHT PHASE FULLY ACTUATED NEMA TYPE 6 CABINET AND CONTROLLER EQUIPMENT
9570	48 SF	SHEET ALUMINUM GROUND MOUNTED SIGNS
	15 SF	M95-2 SIGN (72" x 30")
	27 SF	W3-3 SIGN (36" x 36")
	6 SF	D95-25 SIGN (12" x 24")
9571	28.5 SF	SHEET ALUMINUM MAST ARM, MOUNTED SIGNS
	7.5 SF	R3-5(L) SIGN (30" x 36")
	10.5 SF	D3-2 DUAL FACED SIGN (VAR x 16")
	10.5 SF	D3-2 SINGLE FACED SIGN (VAR x 16")

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	.5 CY	TEST PIT EXCAVATION
5004	200 LF	12 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS
5005	35 LF	24 IN. WHITE HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS
8006	1 EA	15 FT. STREET LIGHTING BRACKET ARM WITH 250 WATT HPSV LUMINAIRE, LAMP AND PHOTO CELL
8008	1 EA	14 FT. BREAKAWAY PEDESTAL POLE
8017	1 EA	27 FT. MAST ARM POLE & 70 FT. MAST ARM
8019	2 EA	MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN CABLE
8025	1 EA	VIDEO DETECTION CAMERA AND CABLE WITH 100 FT. LEAD IN CABLE
8026	10 LF	1 IN. DETECTOR SLEEVE FLEXIBLE LIQUID TIGHT CONDUIT
8033	80 LF	4 IN. SCHEDULE 80 RIGID PVC CONDUIT- BORED
8033	540 LF	3 IN. SCHEDULE 80 RIGID PVC CONDUIT- BORED
8033	95 LF	2 IN. SCHEDULE 80 RIGID PVC CONDUIT- BORED
8035	15 LF	4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8035	240 LF	3 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8035	25 LF	2 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8036	60 LF	WOOD SIGN SUPPORTS UP TO 4 IN. X 6 IN.
8038	76.5 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
8040	160 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8042	1 EA	METERED SERVICE PEDESTAL EMBEDDED
8044	75 LF	ELECTRICAL CABLE 1 - CONDUCTOR NO. 4 AWG - THHN / THWN
8046	8 EA	ELECTRICAL HANDHOLE
8050	21 EA	12 INCH LED SIGNAL HEAD SECTION
8056	75 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO 14 AWG)
8057	400 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO 14 AWG)
8058	100 LF	ELECTRICAL CABLE 2 - CONDUCTOR TRAY (NO 12 AWG)
8060	35 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
8065	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

WIRING DIAGRAM



WIRING KEY

AB	MICRO-LOOP PROBE LEAD-IN
C	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TRAY CABLE
D,E,F	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
G,H,I,J	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
K	VIDEO DETECTION CABLE
L	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
M	1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G. 3-WIRE)
ML	MICRO-LOOP PROBE
PS	PROPOSED ELECTRIC SERVICE
PT	PROPOSED TELEPHONE
X	GROUND ROD

PHASING CHART

1	2	3	4	5	6	7
(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 2 & 6	G	G	G	G	G	R	R	
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	
PHASE 4	R	R	R	R	R	G	G	
PHASE 4 CHANGE	R	R	R	R	R	Y	Y	
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLR	FLR	

TOD NO: XX446-03M
SHA NO: BA864A52/B52
MD 25@ OLD PIMLICO RD



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN
MD 25 AND OLD PIMLICO ROAD

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

SCALE	NONE	DATE	7-28-08	CONTRACT NO.	XX4465185
DESIGNED BY	M.R./S.R.	COUNTY	BALTIMORE		
DRAWN BY	M. ROSEN	LOGMILE	X		
CHECKED BY	S. RENZI	T.I.M.S. NO.	I-716		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS-4874 GI	SHEET NO.	2	OF	2